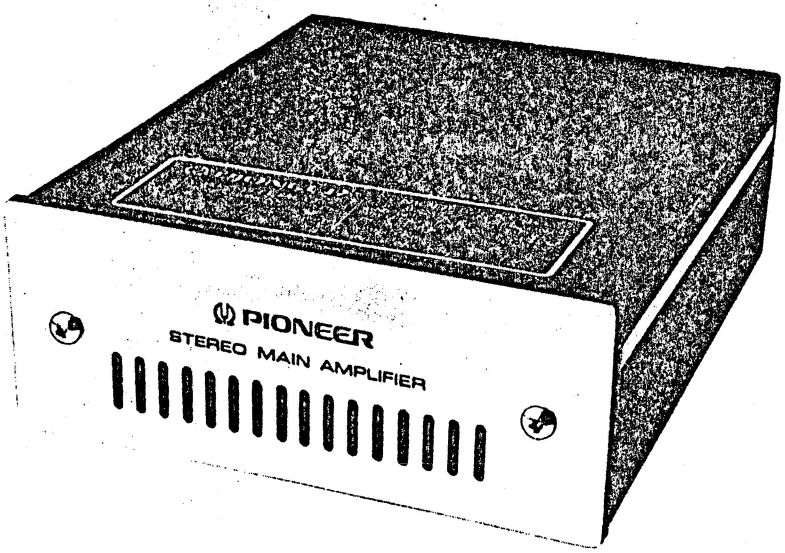
GM-40 E

CAR STEREO HIGH POWER MAIN AMPLIFIER

SERVICE MANUAL



SPECIFICATIONS

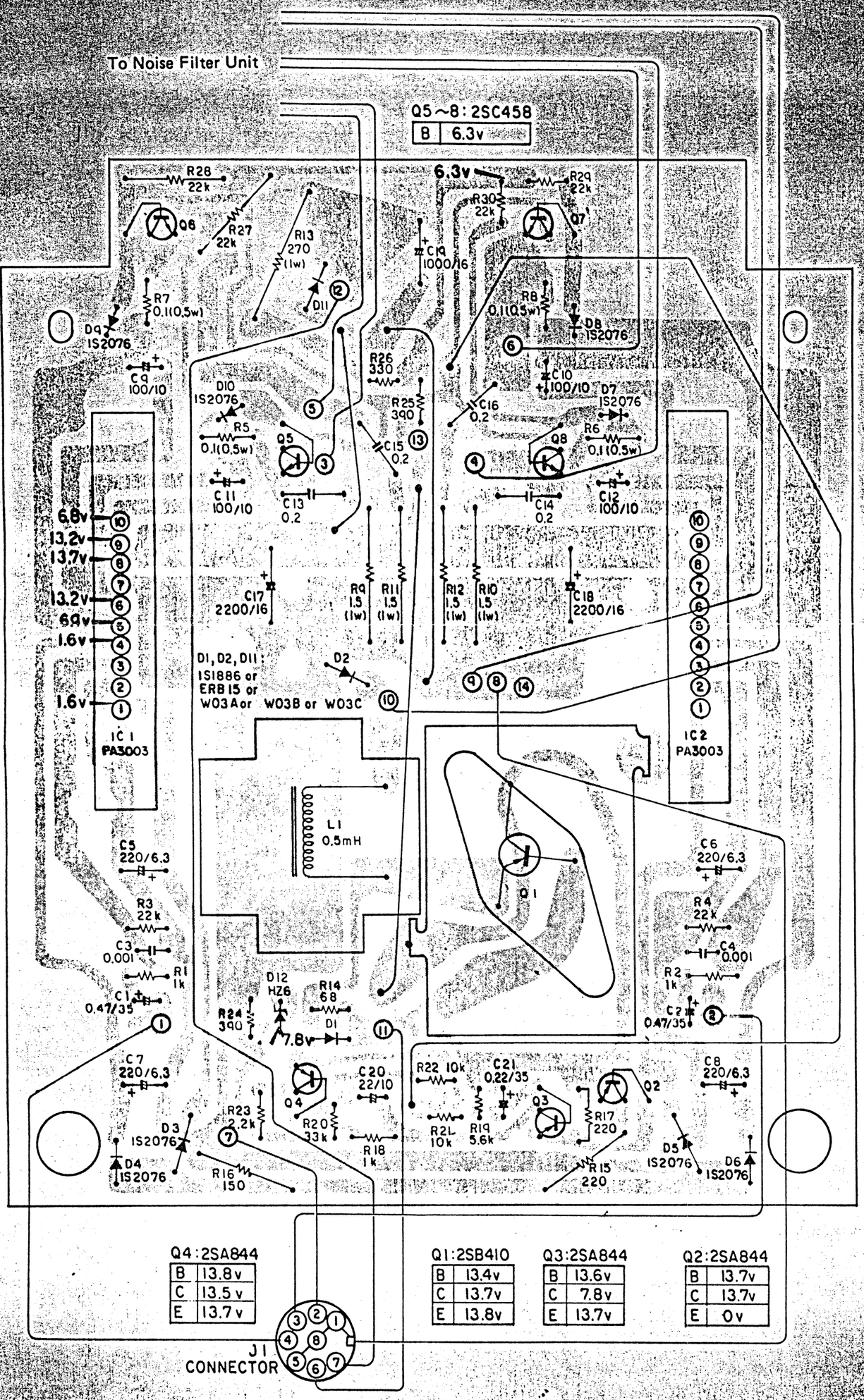
Power Source	13.8V (11 ~ 16V allowable)
Grounding System	Negative type
Dimensions (W × H × D)	122 × 50 × 150 mm
Weight	1 kg
Max. Current Consumption	4A
Power Output (Max.)	20W + 20W
(Rated)	16W + 16W
Load Impedance	4Ω (4 ~ 8Ω allowable)
Frequency Response	15 ~ 40,000 Hz (−3 dB)
Signal-to-Noise Ratio	More than 80 dB
Distortion	No more than 0.06% (at 1.5W, 1 kHz)
Input Level	70 mV/20 kΩ

Note:
Specifications and the design subject to possible modification without notice due to improvements.

PIONEER®

AMPLIFIER UNIT (CWH-059)

● **Parts Connection**



SCHEMATIC CIRCUIT DIAGRAM

AMPLIFIER UNIT (CWH-059)

IC 1, IC2 : PA3003

Q5 ~ Q8 : 2SC458

Q2 ~ Q4 : 2SA844

2SB410

D1, D2: IS1886 or ERB15 or W03A or W03B or W03C

D11 IS1886 or ERB15 or W03A or W03B or W03C

J1 CONNECTOR

NOISE FILTER UNIT (CWX-064)

Lch SPEAKER (+)

Lch SPEAKER (−)

GROUND

Rch SPEAKER (−)

Rch SPEAKER (+)

TO POSITIVE TERMINAL OF BATTERY

FU 1 FUSE 4A

2SC458 2SA844

2SB410

PA3003

Surge-preventing circuit

Thermal shut-down circuit